

What is claimed is:

1 1. A preassembled lock assembly for attachment to an enclosure door of an
2 enclosure, the enclosure door having a lock assembly receiving opening capable of
3 receiving the lock assembly, the enclosure door having a plurality of lock assembly
4 receiving opening edges proximate the lock assembly receiving opening; the
5 preassembled lock assembly comprising:
6
7 a lock case assembly including a bolt having at least first and second positions;
8
9 a lock actuating assembly interconnected with the lock case assembly such that
10 the lock actuating assembly can actuate a change in the position of the bolt from the first
11 position to the second position; and
12
13 a mounting plate having an interior side and an exterior side; the lock actuating
14 assembly being secured to the exterior side and the lock case assembly being secured to
15 the interior side before the preassembled lock assembly is attached to the enclosure door;
16 wherein the preassembled lock assembly can be secured within the lock assembly
17 receiving opening by securing at least one interior mounting plate securing bracket to the
18 interior side of the mounting plate, when the preassembled lock assembly is inserted into
19 the lock assembly receiving opening, to effectively grip at least one of the plurality of
20 lock assembly receiving opening edges proximate the lock receiving opening, so that the
21 preassembled lock assembly is effectively secured to the enclosure door.

1 2. The lock assembly of claim 1, wherein the lock actuating assembly is both
2 mechanically and electronically interconnected with the lock case assembly, wherein the
3 lock actuating assembly includes a code receiving mechanism for entering access codes
4 and an actuating member operatively connected with the lock case assembly, the code
5 receiving mechanism being electronically connected with the lock case assembly such
6 that the lock case assembly can function, in response to an electronic signal from the lock
7 actuating assembly resulting from entering a predetermined access code into the code

8 receiving mechanism, in a manner permitting the position of the bolt to be changed from
9 the first position to the second position by separately mechanically actuating the change
10 of position of the bolt from the first position to the second position by using physical
11 force to change the position of the actuation member.

1 3. The lock assembly of claim 1, wherein the mounting plate has a plurality of
2 threaded studs for receiving securing nuts; the threaded studs protruding outwardly from
3 the interior side of the mounting plate for securing the enclosure door to the inside of the
4 mounting plate.

1 4. The lock assembly of claim 1, wherein the mounting plate includes a plurality of
2 standoffs secured to the interior side of the mounting plate.

1 5. The lock assembly of claim 4, wherein the lock case assembly is secured to the
2 interior side of the mounting plate with a plurality of screws secured to the plurality of
3 standoffs.

1 6. The lock assembly of claim 1, wherein the mounting plate has a plurality of
2 drilled and tapped holes.

1 7. The lock assembly of claim 6, wherein the lock actuating assembly is secured to
2 the exterior side of the mounting plate by a plurality of screws secured within the
3 plurality of drilled and tapped holes.

1 8. An enclosure door for use to secure an enclosed space, the enclosure door
2 comprising:

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4 a lock assembly receiving opening, the enclosure door having a plurality of lock
5 assembly receiving opening edges proximate the lock assembly receiving opening;

6

7 a preassembled lock assembly including a lock case assembly including a bolt
8 having at least first and second positions; a lock actuating assembly interconnected with
9 the lock case assembly such that the lock actuating assembly can actuate a change in the
10 position of the bolt from the first position to the second position; and a mounting plate
11 having an interior side and an exterior side; the lock actuating assembly being secured to
12 the exterior side and the lock case assembly being secured to the interior side such that
13 the lock assembly is a preassembled independent unit that can be separated from the
14 enclosure door without being disassembled; wherein the preassembled lock assembly is
15 secured within the lock assembly receiving opening by at least one interior mounting
16 plate securing bracket secured to the interior side of the mounting plate, when the
17 preassembled lock assembly is inserted into the lock assembly receiving opening, to
18 effectively grip at least one of the plurality of lock assembly receiving opening edges
19 proximate the lock receiving opening, so that the preassembled lock assembly is
20 effectively secured to the enclosure door.

1 9. The enclosure door of claim 8, wherein the lock actuating assembly is both
2 mechanically and electronically interconnected with the lock case assembly, wherein the
3 lock actuating assembly includes a code receiving mechanism for entering access codes
4 and an actuating member operatively connected with the lock case assembly, the code
5 receiving mechanism being electronically connected with the lock case assembly such
6 that the lock case assembly can function, in response to an electronic signal from the lock
7 actuating assembly resulting from entering a predetermined access code into the code
8 receiving mechanism, in a manner permitting the position of the bolt to be changed from
9 the first position to the second position by separately mechanically actuating the change
10 of position of the bolt from the first position to the second position by using physical
11 force to change the position of the actuation member.

1 10. The enclosure door of claim 8, wherein the mounting plate has a plurality of
2 threaded studs for receiving securing nuts; the threaded studs protruding outwardly from
3 the interior side of the mounting plate for securing the enclosure door to the inside of the
4 mounting plate.

1 11. The enclosure door of claim 8, wherein the mounting plate includes a plurality of
2 standoffs secured to the interior side of the mounting plate.

1 12. The enclosure door of claim 11, wherein the lock case assembly is secured to the
2 interior side of the mounting plate with a plurality of screws secured to the plurality of
3 standoffs.

1 13. The enclosure door of claim 8, wherein the mounting plate has a plurality of
2 drilled and tapped holes.

1 14. The enclosure door of claim 13, wherein the lock actuating assembly is secured to
2 the exterior side of the mounting plate by a plurality of screws secured within the
3 plurality of drilled and tapped holes.

1 15. A mounting plate for securing a lock case assembly and a lock actuating assembly
2 to an enclosure door; the enclosure door having a lock assembly receiving opening; the
3 enclosure door having a plurality of lock assembly receiving opening edges proximate the
4 lock assembly receiving opening; the mounting plate comprising:

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6 an interior side and an exterior side, a plurality of threaded studs and a plurality of
7 standoffs on the interior side; wherein the lock case assembly can be secured to the
8 interior side of the mounting plate and the mounting plate can be secured to the enclosure
9 door by slipping the mounting plate into and through the lock assembly receiving
10 opening when the lock case assembly is secured to the mounting plate; and wherein the
11 mounting plate can be secured to the enclosure door when the lock case assembly is
12 secured to the mounting plate by securing at least one interior mounting plate securing
13 bracket to the interior side of the mounting plate and effectively gripping at least one of
14 the plurality of lock assembly receiving opening edges proximate the lock assembly
15 receiving opening so that the lock assembly is effectively secured to the enclosure door;
16 wherein the mounting plate includes an assembly opening through which a spindle,
17 interconnecting the lock case assembly with the lock actuating assembly, may pass.

1 16. The mounting plate of claim 15, wherein the mounting plate includes a plurality
2 of drilled and tapped holes; the drilled and tapped holes providing a plurality of openings
3 for receiving a plurality of screws for securing the lock actuating assembly to the exterior
4 side of the mounting plate.

1 17. A kit for securing a lock to an enclosure door, the enclosure door having a lock
2 assembly receiving opening capable of receiving a lock assembly, the lock assembly
3 including a lock actuating assembly and a lock case assembly, the enclosure door further
4 including a plurality of lock assembly receiving opening edges proximate the lock
5 assembly receiving opening; the kit, comprising:

6
7 an interior mounting plate securing bracket and a mounting plate having an
8 interior side and an exterior side; wherein the lock case assembly can be secured to the
9 interior side of the mounting plate and the mounting plate can be secured to the enclosure
10 door by slipping the lock case assembly into and through the lock assembly receiving
11 opening when the lock case assembly is secured to the mounting plate; and wherein the
12 mounting plate can be secured to the enclosure door when the lock case assembly is
13 secured to the mounting plate by securing at least one interior mounting plate securing
14 bracket to the interior side of the mounting plate and effectively gripping at least one of
15 the plurality of lock assembly receiving opening edges proximate the lock assembly
16 receiving opening so that the lock assembly is effectively secured to the enclosure door.

1 18. The kit of claim 17, wherein the mounting plate has a plurality of threaded studs
2 and a plurality of standoffs on the interior side, and wherein the lock case assembly can
3 be secured to the interior side of the mounting plate by securing a plurality of screws in
4 the respective plurality of standoffs.

1 19. The kit of claim 18, wherein the mounting plate includes a plurality of drilled and
2 tapped holes; the drilled and tapped holes providing a plurality of openings for receiving
3 a plurality of screws for securing the lock actuating assembly to the exterior side of the
4 mounting plate.

1 20. A method of securing a preassembled electronic lock assembly to an enclosure
2 door; the method comprising the steps of:

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4 creating a lock assembly receiving opening in the enclosure door, the enclosure
5 door having a plurality of lock assembly receiving opening edges proximate the lock
6 assembly receiving opening;

7
8 inserting a preassembled electronic lock assembly into and at least partially
9 through the lock assembly receiving opening; the preassembled electronic lock assembly
10 including a lock case assembly including a bolt having at least first and second positions;
11 a lock actuating assembly interconnected with the lock case assembly such that the lock
12 actuating assembly can actuate a change in the position of the bolt from the first position
13 to the second position; and a mounting plate having an interior side and an exterior side;
14 the lock actuating assembly being secured to the exterior side and the lock case assembly
15 being secured to the interior side; wherein the lock assembly can be secured within the
16 lock assembly receiving opening by at least one interior mounting plate securing bracket
17 secured to the interior side of the mounting plate, when the preassembled electronic lock
18 assembly is so inserted, to effectively grip at least one of the plurality of lock assembly
19 receiving opening edges proximate the lock receiving opening, so that the lock assembly
20 is effectively secured to the enclosure door; and wherein the lock case assembly is
21 secured to the interior side of the mounting plate;

22
23 securing the preassembled electronic lock assembly to the enclosure door by
24 securing at least one interior mounting plate securing bracket to the interior side of the
25 mounting plate and effectively gripping at least one of the plurality of lock assembly
26 receiving opening edges proximate the lock assembly receiving opening so that the lock
27 assembly is effectively secured to the enclosure door.

1 21. The method of claim 20, wherein the mounting plate has a plurality of threaded
2 studs for receiving securing nuts; the threaded studs protruding outwardly from the
3 interior side of the mounting plate for securing the enclosure door to the inside of the

4 mounting plate; wherein the step of securing includes securing at least one interior
5 mounting plate securing bracket to at least one of the plurality of threaded studs with a
6 securing nut.

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1 22. The method of claim 21, wherein the mounting plate includes a plurality of
2 standoffs secured to the interior side of the mounting plate; and wherein the lock case
3 assembly is secured to the interior side of the mounting plate with a plurality of screws
4 secured to the plurality of standoffs.